PRACTICAL 4

AIM: Create an application in which user pass the data with intent object to another activity.

CODE:

```
package com.example.myapplication
import android.content.Intent
import android.os.Bundle
import android.view.View
import androidx.appcompat.app.AppCompatActivity
import androidx.constraintlayout.widget.ConstraintLayout
import androidx.constraintlayout.widget.ConstraintSet
import android.view.ViewGroup.LayoutParams
class MainActivity : AppCompatActivity() {
        val layout = ConstraintLayout(this)
        layout.layoutParams = ConstraintLayout.LayoutParams(
            LayoutParams. MATCH PARENT,
            LayoutParams. MATCH PARENT
        val inputField = EditText(this)
        inputField.id = View.generateViewId()
        inputField.hint = "Enter something"
        layout.addView(inputField)
        sendButton.id = View.generateViewId()
        layout.addView(sendButton)
        val displayTextView = TextView(this)
        displayTextView.id = View.generateViewId()
        displayTextView.text = "Received data will appear here"
        layout.addView(displayTextView)
        set.clone(layout)
        set.connect(inputField.id, ConstraintSet.TOP, layout.id,
ConstraintSet. TOP, 100)
       set.connect(inputField.id, ConstraintSet.LEFT, layout.id,
ConstraintSet. LEFT, 16)
        set.connect(inputField.id, ConstraintSet.RIGHT, layout.id,
```

```
set.connect(sendButton.id, ConstraintSet.LEFT, layout.id,
       set.connect(sendButton.id, ConstraintSet.RIGHT, layout.id,
       set.connect(displayTextView.id, ConstraintSet.TOP,
       set.connect(displayTextView.id, ConstraintSet.LEFT,
layout.id, ConstraintSet.LEFT, 16)
layout.id, ConstraintSet.RIGHT, 16)
       set.applyTo(layout)
       setContentView(layout)
           val userInput = inputField.text.toString()
           startActivity(intent)
class SecondActivity : AppCompatActivity() {
   override fun onCreate(savedInstanceState: Bundle?) {
       super.onCreate(savedInstanceState)
       val layout = ConstraintLayout(this)
       layout.layoutParams = ConstraintLayout.LayoutParams(
           LayoutParams. MATCH PARENT,
           LayoutParams.MATCH PARENT
       val displayTextView = TextView(this)
       displayTextView.id = View.generateViewId()
       layout.addView(displayTextView)
       set.clone(layout)
        set.connect(displayTextView.id, ConstraintSet.TOP, layout.id,
        set.connect(displayTextView.id, ConstraintSet.LEFT,
layout.id, ConstraintSet.LEFT, 16)
        set.connect(displayTextView.id, ConstraintSet.RIGHT,
```

OUTPUT:

